

5 Claims

What I claim and desire to secure by Letters of Patent of the United States are the following:

- 10 1. An emergency medical kit, comprising a breathable oxygen delivery system and a medication for use in response to symptoms of a particular serious illness as soon as the symptoms occur.
- 15 2. The emergency medical kit of claim 1 wherein the breathable oxygen delivery system comprises a portable oxygen tank for storing oxygen under high pressure and wherein the portable oxygen tank comprises a composite material over wrapped onto a gas impermeable inner vessel.
3. The emergency medical kit of claim 1 wherein the breathable oxygen delivery system comprises a portable oxygen tank having an empty weight of less than 5.0 pounds.
- 20 4. The emergency medical kit of claim 1 wherein the breathable oxygen delivery system comprises a portable oxygen tank having an empty weight of less than 2.0 pounds.
5. The emergency medical kit of claim 1 further comprising a portable container for housing and carrying the breathable oxygen delivery system and the medication.

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6. The emergency medical kit of claim 5 further comprising one of a wireless communication device and a loud noise-making device.

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7. The emergency medical kit of claim 1 wherein the serious illness comprises one of a heart attack and a stroke.

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8. The emergency medical kit of claim 1 wherein the medication is prescribed for a particular user by a physician and wherein the user has a known susceptibility to one of a heart attack and a stroke.

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9. The emergency medical kit of claim 1 wherein the medication comprises one of an anticoagulant, an antiarrhythmic agent and a cardioprotective agent.

10. The emergency medical kit of claim 9 wherein the cardioprotective agent comprises one of a nitrate, a beta blocker and an ACE inhibitor.

11. The emergency medical kit of claim 9 wherein the anticoagulant comprises one of acetylsalicylic acid, clopidogrel, heparin and glycoprotein IIb/III/b inhibitors.

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12. The emergency medical kit of claim 9 wherein the antiarrhythmic comprises magnesium.

13. The emergency medical kit of claim 1 wherein the breathable oxygen delivery system comprises:

- an oxygen storage tank having at least a 50 cubic inch internal storage capacity, an oxygen storage operating pressure range of between 100 and 4000 PSI and an empty weight of less than 5.0 pounds;
- a regulator valve attached to the oxygen storage tank for receiving oxygen from the tank at an inlet pressure of between 100 - 4000 PSI and delivering oxygen at an outlet pressure range of less than 50 PSI;
- an oxygen delivery tube having an inlet end attached to the regulator valve for receiving oxygen at the pressure of less than 50 PSI and an outlet end; and,
- a user oxygen delivery device attached to said delivery tube outlet end for delivering a supply of breathable oxygen to a user.

14. An emergency medical kit for use in a pre-hospital setting comprising a breathable oxygen delivery system and a medication for one of:

- assisting in preventing thrombosis;

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- assisting in inducing arteriolar relaxation
- assisting in establishing a cardiac rhythm; and,
- assisting in diminishing oxygen demand.

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15. The emergency medical kit of claim 14 wherein the medication is prescribed by a physician for one of a know condition and a susceptibility to a known condition.

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16. A medical emergency kit according to claim 15 wherein the breathable oxygen supply is prescribed by a physician in a preset condition to deliver oxygen at least one of a predetermined rate and a predetermined pressure.

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17. An emergency medical kit for treatment of a know condition or a susceptibility to a known condition upon the onset of symptoms of the known condition comprising:

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- a breathable oxygen supply having;
 - an oxygen storage tank having at least a 50 cubic inch internal storage capacity, an oxygen storage operating pressure range of between 100 and 4000 PSI and an empty weight of less than 5.0 pounds;

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- assisting in preventing thrombosis;
- assisting in inducing arteriolar relaxation;
- assisting in establishing a cardiac rhythm; and,
- assisting in diminishing oxygen demand.

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19. A method for treating a serious illness immediately upon the onset of one or more symptoms of the serious illness comprising the steps of:

- establishing a risk that a patient may suffer an unexpected attack of the serious illness;
- predetermining a treatment for prolonging the patients' life and reducing a risk of permanent damage to the patient in the event that the attack occurs;
- providing the patient with a portable emergency medical kit for carrying out the treatment upon the onset of symptoms before the patient can be treated by a medical professional; and,
- teaching the patient how to recognize the symptoms and how to carry out the treatment upon the onset of the symptoms.

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20. The method of claim 19 further comprising the step of providing a breathable oxygen supply in the portable emergency medical kit.

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21. The method of claim 20 further comprising the step of providing a medication in the portable emergency kit for one of:

- assisting in preventing thrombosis;
- assisting in inducing arteriolar relaxation;

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- assisting in establishing a cardiac rhythm; and,
- assisting in diminishing oxygen demand.

22. A method for treating a serious illness comprising the steps of;

- providing a person susceptible to the serious illness with a breathable oxygen delivery system; and
- providing a person susceptible to the serious illness with a medication for use in response to symptoms of a particular serious illness as soon as the symptoms occur.

23. The method of claim 22 further comprising the step of providing a portable container for housing and carrying the breathable oxygen delivery system and the medication.

24. The method of claim 22 further comprising the step of providing a medication in the portable emergency kit for one of:

- assisting in preventing thrombosis;
- assisting in inducing arteriolar relaxation;
- assisting in establishing a cardiac rhythm; and,
- assisting in diminishing oxygen demand.

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